CLAIMS

WHAT IS CLAIMED IS:

1. A molded plastic rod comprising:

a barrel having an injection site along the length thereof; and

an injection stress relieving formation in said barrel adjacent said injection site.

2. The rod of claim 1, including first and second injection stress relieving formations on opposite sides of said injection site.

3. The rod of claim 2, said first and second injection stress relieving formations being outward projections from the surface of said barrel.

4. The rod of claim 3, said first and second injection stress relieving projections being elongated along the length of the rod.

5. The rod of claim 4, said first and second elongated stress-relieving projections having tapered ends.

6. The rod of claim 5, said projections provided at a minimum incline of one degree to an injection plane of the rod.

7. The rod of claim 5, said projections ending at a maximum angle of 90 degrees to the tangent of the injection site.

8. The rod of claim 7, said projections provided at a minimum incline of one degree to an injection plane of the rod.

9. The rod of claim 8, said plastic being light transmissive.

10. The rod of claim 1, said plastic being light transmissive.

11. The rod of claim 10, said plastic being acrylic.

12. An injection molded plastic rod for a hydrometer of a storage battery, said rod comprising:

a barrel of light transmissive plastic having a cone shaped tip at one end thereof and an indicating surface at an opposite end thereof, with an injection site along a length thereof; and

first and second injection stress relieving formations arranged symmetrically on opposite sides of said injection site.

13. The rod of claim 12, said first and second stress relieving formations being projections from the surface of said barrel.

14. The rod of claim 13, said plastic being acrylic.

15. The rod of claim 13, said projections being elongated along a length of said rod.

16. The rod of claim 15, said elongated projections having tapered ends.

17. The rod of claim 12, said first and second stress relieving formations being projections extending from a surface of said barrel at a minimum incline of one degree to an injection plane of the rod.

18. The rod of claim 12, said first and second stress relieving formations being projections from a surface of said barrel ending at a maximum angle of 90 degrees to a tangent of said injection site.

19. The rod of claim 18, said projections extending at a minimum incline of one degree to an injection plane of the rod.

20. A method of making a plastic rod for a storage battery hydrometer, said method comprising steps of:

providing a mold having an elongated barrel-forming portion and an injection gate along the barrel-forming portion;

providing a pocket in the mold adjacent the injection gate; and

injecting plastic into the mold through the injection gate and flowing the plastic into the pocket as injection of plastic into the mold is completed.

21. The method of claim 20 including providing two pockets symmetrically arranged on opposite sides of the injection gate, and flowing plastic into said pockets as injection of plastic into the mold is completed.